

Converting Colors

$Yxy(36.9877, 0.2162, 0.2367)$

Have a look what the booklet for
Yxy(36.9877, 0.2162, 0.2367)
contains.

Yxy(36.9877, 0.2162, 0.2367)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(36.9877, 0.2162, 0.2367)

Conversions

Conversions Part 1

Format	Color
Hex	59AAED
RGB	89, 170, 237
RGB Percent	35%, 67%, 93%
CMY	0.6509, 0.3333, 0.0705
CMYK	0.62, 0.28, 0.00, 0.07
HSL	207°, 80%, 64%
HSV	207°, 62%, 93%
XYZ	33.7843, 36.9877, 85.4921
YIQ	153.4190, -69.7830, 3.6650

Conversions

Conversions Part 2

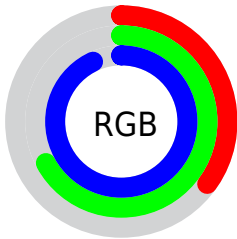
Format	Color
R _Y B	89, 141, 237
Decimal	5876461
CIE Lab	67.27, -4.73, -40.94
CIE LCh	67, 41.216, 263.412
Yxy	36.9877, 0.2162, 0.2367
Android (android.graphics.Color)	4284066541 (0xFF59AAED)
YUV	153.4190, 41.2054, -56.4955
Hunter-Lab	60.8175, -7.2734, -40.7726

Details

The Yxy color **36.9877, 0.2162, 0.2367** is a light color, and the websafe version is hex **6699CC**. The color can be described as light muted azure. A complement of this color would be **42.5244, 0.4577, 0.4002**, and the grayscale version is **31.8911, 0.3127, 0.3290**.

A 20% lighter version of the original color is **67.6497, 0.2510, 0.2941**, and **16.2931, 0.1920, 0.2111** is the 20% darker color. If you saturate the color by 10%, you get **32.1371, 0.2039, 0.2189**, and if you desaturate by 10%, it is **42.5469, 0.2302, 0.2542**.

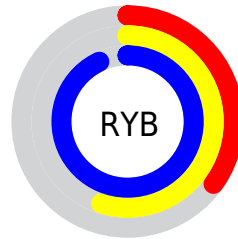
Distribution



Red (35%)

Green (67%)

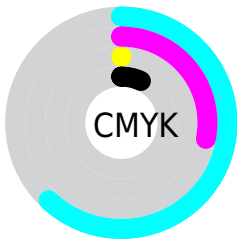
Blue (93%)



Red (35%)

Yellow (55%)

Blue (93%)

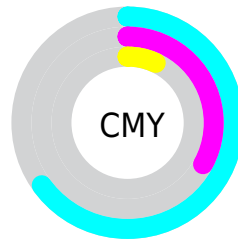


Cyan (62%)

Magenta (28%)

Yellow (0%)

Black (7%)



Cyan (65%)

Magenta (33%)

Yellow (7%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 36.9877, 0.2162, 0.2367 changes by changing the brightness by 10 percent. The first figure shows a shift by +10% for each color and the second figure -10%.

Similar to the brightness gradients but the following saturation gradients show a change of the Yxy color 36.9877, 0.2162, 0.2367 by changing the saturation by 10% instead.

■ 36.9877, 0.2162,
0.2367

■ 36.9877, 0.2162,
0.2367

■ 333.2573, 0.2639,
0.2830

■ 25.1980, 0.2048,
0.2254

■ 70.5539, 0.2332,
0.2534

■ 16.2246, 0.1905,
0.2112

■ 93.0991, 0.2397,
0.2597

■ 9.6832, 0.1723,
0.1929

■ 119.9983, 0.2453,
0.2651

■ 5.1894, 0.1485,
0.1688

■ 151.6358, 0.2501,
0.2697

■ 2.3588, 0.1171,
0.1362

■ 188.3961, 0.2542,
0.2737

■ 0.8046, 0.0746,
0.0924

■ 230.6635, 0.2578,

■ 0.0000, 0.0000,

0.2772

0.0000

278.8224, 0.2611,
0.2803

■ 36.9877, 0.2162,
0.2367

■ 36.9877, 0.2162,
0.2367

■ 32.1371, 0.2039,
0.2189

■ 42.5469, 0.2302,
0.2542

■ 27.9456, 0.1936,
0.2011

■ 48.8510, 0.2454,
0.2709

■ 24.3610, 0.1856,
0.1839

■ 55.9379, 0.2612,
0.2866

■ 21.9941, 0.1809,
0.1713

■ 63.8412, 0.2773,
0.3011

■ 72.5920, 0.2934,
0.3144

82.2199, 0.3090,
0.3263

92.7526, 0.3240,
0.3369

98.8954, 0.3232,
0.3463

Harmonies

Analogous

The Analogous color harmony consists of three colors that are next to each other on the color wheel.



36.9877, 0.2024, 0.2634



36.9877, 0.2162, 0.2367



36.9877, 0.2537, 0.2335

Triad

The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



36.9877, 0.2162, 0.2367



36.9877, 0.4222, 0.3289



36.9877, 0.3050, 0.4290

Complementary

The Complementary color scheme is a pair of colors which are on the opposite of each other on the color wheel.



36.9877, 0.2162, 0.2367



42.5244, 0.4577, 0.4002

Split Complementary

Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



36.9877, 0.3654, 0.4422



36.9877, 0.2162, 0.2367



36.9877, 0.4366, 0.3766

Square

The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



36.9877, 0.2162, 0.2367



36.9877, 0.3740, 0.2846



36.9877, 0.4143, 0.4191



36.9877, 0.2498, 0.3780

Rectangle

The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



36.9877, 0.2162, 0.2367



36.9877, 0.2900, 0.2430



36.9877, 0.4143, 0.4191



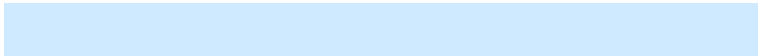
36.9877, 0.3254, 0.4381

Sweetspot

The Sweet Spot groups the original color and five complimentary colors.



36.9890, 0.2162, 0.2367



78.7310, 0.2828, 0.3057



65.0916, 0.2743, 0.4422



16.2359, 0.2781, 0.3018



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



36.9890, 0.2162, 0.2367



36.4490, 0.2007, 0.2138



16.6857, 0.1930, 0.1363



15.9149, 0.2981, 0.3181



12.2721, 0.1817, 0.1740



1.1555, 0.1881, 0.1973

Inverse Universe

The Inverse Universe completely reimagines the original color for something new.



28.0599, 0.3984, 0.2443



27.7402, 0.4257, 0.2354



75.1107, 0.4043, 0.4678



15.1920, 0.3207, 0.3162



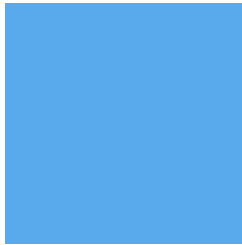
10.7317, 0.4757, 0.2394



0.8621, 0.4484, 0.2244

Previews

White Background



This preview shows how the Yxy color 36.9877, 0.2162, 0.2367 looks on a white background.

Color Contrast Check

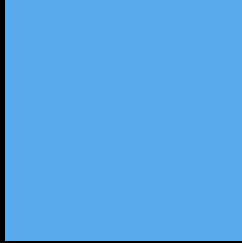
Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

Black Background



This preview shows how the Yxy color 36.9877, 0.2162, 0.2367 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

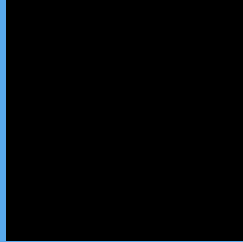
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

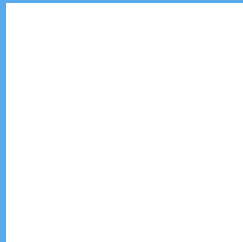
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 36.9877, 0.2162, 0.2367

Background



This preview shows how black text looks on a background with the Yxy color 36.9877, 0.2162, 0.2367.



This preview shows how white text looks on a background with the Yxy color 36.9877, 0.2162, 0.2367.

Color Blindness Simulation

Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

Dichromacy



Original Color

36.9877, 0.2162, 0.2367

Protanopia

36.4615, 0.2458, 0.2378

Deuteranopia

36.8980, 0.2344, 0.2284



Tritanopia

36.8843, 0.2305, 0.3052

Trichromacy



Original Color

36.9877, 0.2162, 0.2367

Protanomaly

36.5147, 0.2331, 0.2373

Deuteranomaly

36.7963, 0.2270, 0.2315

Tritanomaly

36.7592, 0.2247, 0.2777

Monochromacy



Original Color

36.9877, 0.2162, 0.2367

Achromatopsia

31.8547, 0.3127, 0.3290

Achromatomaly

33.0028, 0.2668, 0.2911

CSS Examples

Text

The CSS property to change the color of the text to Yxy 36.9877, 0.2162, 0.2367 is called "color". The color property can be set on classes, ids or directly on the HTML element.

This example shows how text in the color `rgb(89, 170, 237)` looks like.

```
.text, #text, p{  
    color:rgb(89, 170, 237)  
}
```

If you want to add a text shadow in that color use the text-shadow property, you can generate a text shadow directly with our [CSS Text Shadow Generator](#).

Here you see how black text with a 4 pixel rgb(89, 170, 237) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(89, 170, 237) }
```

Border

The CSS property to change the border of an element to Yxy 36.9877, 0.2162, 0.2367 is called "border". The border property can be set on classes, ids or directly on the HTML element.

This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(89, 170, 237) }
```

If only the border color should be changed use the property `border-color`.

```
.border{ border-color:rgb(89, 170, 237) }
```

If you want to add a box shadow in that color use:

Here you see how a box with a 4 pixel `rgb(89, 170, 237)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(89, 170, 237); -webkit-box-  
shadow:4px 4px 4px 4px rgb(89, 170, 237);  
box-shadow:4px 4px 4px 4px rgb(89, 170,  
237) }
```


Background

The CSS property to change the background color of an element to Yxy 36.9877, 0.2162, 0.2367 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(89, 170, 237) }
```

If only the background color should be changed can be used:

```
.background{ background-color: rgb(89, 170,  
237) }
```

This example shows the color as background, it is applied via the CSS property "background".

To optimize and compress your CSS code, you can use our [online CSS compressor and optimizer](#) based on csstidy. If you want to create a linear or radial gradient as background or border, check our [CSS Gradient Generator](#).

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